

Title (en)
PROTECTIVE GAS FOR METAL PRODUCTION

Title (de)
SCHUTZGAS FÜR METALLHERSTELLUNG

Title (fr)
GAZ PROTECTEUR DESTINE A LA FABRICATION DE METAL

Publication
EP 1867413 A4 20090401 (EN)

Application
EP 06732372 A 20060426

Priority

- JP 2006308766 W 20060426
- JP 2005129530 A 20050427
- JP 2006112025 A 20060414

Abstract (en)
[origin: EP1867413A1] There is provided a protective gas composition for preventing a rapid oxidation or combustion of a molten magnesium/magnesium alloy, comprising a fluorine-containing organic compound and a carrier gas. Furthermore, there is provided a method for preventing a rapid oxidation or combustion of a molten magnesium or magnesium alloy, which is characterized in that the above gas composition is used as a protective gas for preventing an oxidation or combustion of a molten magnesium or magnesium alloy in a magnesium or magnesium alloy production.

IPC 8 full level
B22D 46/00 (2006.01); **B22D 21/04** (2006.01)

CPC (source: EP KR US)
B22D 1/00 (2013.01 - KR); **B22D 21/007** (2013.01 - EP KR US); **B22D 21/04** (2013.01 - KR); **B22D 46/00** (2013.01 - EP KR US); **C07C 19/01** (2013.01 - KR)

Citation (search report)

- [XY] WO 0064614 A1 20001102 - CAST CENTRE PTY LTD [AU], et al
- [XD] US 1972317 A 19340904 - REIMERS HANS A
- [Y] US 2004195544 A1 20041007 - RICHARD ROBERT G [US], et al
- [Y] US 2005070746 A1 20050331 - TUNG HSUEH SUNG [US], et al
- [A] WO 2004037752 A2 20040506 - HONEYWELL INT INC [US], et al
- [A] WO 2004090177 A1 20041021 - 3M INNOVATIVE PROPERTIES CO [US]
- [A] WO 9102564 A1 19910307 - GREAT LAKES CHEMICAL CORP [US]
- [E] WO 2008005920 A2 20080110 - HONEYWELL INT INC [US], et al
- See also references of WO 2006118157A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1867413 A1 20071219; EP 1867413 A4 20090401; EP 1867413 B1 20120822; CA 2598351 A1 20061109; CA 2598351 C 20120522; CN 101142043 A 20080312; CN 101142043 B 20100519; JP 2006326682 A 20061207; JP 4627045 B2 20110209; KR 100979606 B1 20100901; KR 20070112293 A 20071122; US 2008163956 A1 20080710; US 2010263489 A1 20101021; US 8016911 B2 20110913; WO 2006118157 A1 20061109

DOCDB simple family (application)
EP 06732372 A 20060426; CA 2598351 A 20060426; CN 200680008238 A 20060426; JP 2006112025 A 20060414; JP 2006308766 W 20060426; KR 20077023900 A 20060426; US 82463710 A 20100628; US 88473406 A 20060426